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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		See Notificatio	n of Transmittal of International		
WO/169	FOR FURTHER ACTI	ON Preliminary Ex	amination Report (Form PCI/IPEA	416)	
International application No. PCT/EP 03/11689 International filling date (da. 22.10.2003)		/month/year)	Priority date (day/month/year) 25.10.2002		
International Patent Classification (IPC) or I	ooth national classification and	IPC			
A61K31/192					
Applicant DOMPE S.P.A. et al					
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total of 5 sheets, including this cover sheet.					
This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawlings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a total					
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3. This report contains indications	relating to the following iter	ms:	•		
Basis of the opinion					
Ⅱ □ Priority					
III □ Non-establishment	of opinion with regard to no	velty, inventive step	and industrial applicability		
IV D Look of unity of inve	ention .	•			
V M Becomed stateme	and the regard to povelty inventive step or industrial applicability.				
VI Certain documents					
VII	he international application				
VIII Certain observation	ns on the international appli	cation	, ,		
Date of submission of the demand		Date of completion of	of this report		
Date of submission of the demand					
28.04.2004		03.11.2004			
Name and mailing address of the interne	Authorized Officer		States Petroreny		
preliminary examining authority: ———————————————————————————————————					
D-10958 Berlin Deyss, C					
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/11689

1.	Basis	of the	report
I-	Dasis	O1 1110	

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Desc	ription, Pages			
	1-11		as originally filed		
	Clair	ns, Numbers			
		iis, ivuilibers	as originally filed		
	1-3		as originally med		
	Drav	vings, Sheets			
	1-3		as originally filed		
2.	. With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.				
	These elements were available or furnished to this Authority in the following language: , which is:				
		the language of a trar	nslation furnished for the purposes of the international search (under Rule 23.1(b)).		
□ the language of publication of the international application (under Rule 48.3(b)).					
		the language of a trar Rule 55.2 and/or 55.3	nslation furnished for the purposes of international preliminary examination (under).		
3.	3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:				
			national application in written form.		
		- was the standard application in computer readable form			
			tly to this Authority in written form.		
	furnished subsequently to this Authority in computer readable form.				
		The statement that the in the international at	ne subsequently furnished written sequence listing does not go beyond the disclosure oplication as filed has been furnished.		
		The statement that the listing has been furni	ne information recorded in computer readable form is identical to the written sequence		
4. The amendments have resulted in the cancellation of:					
		the description,	pages:		
		the claims,	Nos.:		
		the drawings,	sheets:		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement 1-3 Yes: Claims Novelty (N) Claims No: 1-3 Yes: Claims Inventive step (IS) Claims No: Yes: Claims 1-3 Industrial applicability (IA) Claims No:

2. Citations and explanations

see separate sheet

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT - SEPARATE SHEET**

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

D1: US-B-63425301 D2: US-A-5895789

1. Novelty

D1 describes pharmaceutical formulations containing d,I- or I-lysine salt of R,S- or Sibuprofen suitable for parenteral administration wherein the pH is adjusted to 7.2 to 7.6 (claim 1; column 4, line 62).

D2 describes pharmaceutical formulations containing 2-arylpropionic acid like ibuprofen suitable for parenteral administration wherein the pH is adjusted to 7.0 to 7.5 (claim 1).

Present application discloses pharmaceutical compositions containing 2-arylpropionic acids suitable for parenteral administration wherein the pH is in the range between 8 to 9. The subject-matter of claims 1-3 is therefore new (Article 33(2) PCT).

2. Inventive Step

D1 is considered to represent the most relevant state of the art. The problem to be solved by the present invention may be regarded as the provision of pharmaceutical compositions suitable for parenteral administration which contain salts of 2-arylpropionic acids and which generate no pain upon injection (page 1, line 1-4).

The solution to this problem proposed in claims 1-3 of the present application is considered as involving an inventive step (Article 33(3) PCT) since neither D1 nor D2 gives a hint nor suggestion that a formulation having a pH of 8 to 9 are less painful upon injection.

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT - SEPARATE SHEET**

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The results of the experiments as outlined in tables 4-8 show that formulations according to claims 1-3 are unexpectedly less painful upon administration than compositions having a lower or higher pH.

3. Industrial Applicability

Claims 1-3 meet the requirements of Article 33(4) PCT.